



**USAID**  
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# QUARTERLY REPORT NO. 2

JULY-SEPTEMBER 2005



**SEPTEMBER 2005**

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**Photo credit:**

Arman Abdul Rohman, ESP Jakarta/West Java

Minister of Forestry M.S. Kaban (left) and legendary Indonesian folk singer Iwan Fals (right) with school children during the launching of “Plant as a Child and Harvest as an Adult” national reforestation campaign in Cianjur. For more about this, please read the Cover Story starting on page i.

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JULY-SEPTEMBER 2005

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**Quarterly Report No. 2, July-September 2005**

**Program, activity, or project number:**

**Environmental Services Program, DAI Project Number: 5300201**

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# TABLE OF CONTENTS

<b>COVER STORY .....</b>	<b>IV</b>
ESP LAUNCHES “WATER FOR LIFE” MULTI-MEDIA CAMPAIGN.....	IV
<b>INTRODUCTION AND SUMMARY .....</b>	<b>I</b>
ESP OVERVIEW .....	2
SUMMARY OF QUARTERLY ACHIEVEMENTS .....	5
<b>PENGANTAR DAN RINGKASAN .....</b>	<b>I</b>
SEKILAS ESP .....	2
RINGKASAN KEBERHASILAN TRIWULAN .....	5
<b>ESP TECHNICAL COMPONENT UPDATES.....</b>	<b>14</b>
WATERSHED MANAGEMENT & BIODIVERSITY CONSERVATION.....	16
ENVIRONMENTAL SERVICE DELIVERY COMPONENT .....	20
MUNICIPAL FINANCE COMPONENT .....	28
PROGRAM MANAGEMENT .....	30
<b>ACEH PROGRAM UPDATES.....</b>	<b>35</b>
WATERSHED MANAGEMENT & BIODIVERSITY CONSERVATION.....	36
ENVIRONMENTAL SERVICE DELIVERY COMPONENT .....	38
MUNICIPAL FINANCE COMPONENT .....	40
ENVIRONMENTALLY SOUND DESIGN AND IMPLEMENTATION .....	41
PROGRAM MANAGEMENT .....	42
<b>PROJECT MONITORING &amp; EVALUATION .....</b>	<b>43</b>
ESP PROGRESS BASED ON PMP.....	44
<b>APPENDIX.....</b>	<b>48</b>







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## ESP Program Site Location Map







# COVER STORY

## ESP LAUNCHES “WATER FOR LIFE” MULTI-MEDIA CAMPAIGN

ESP launched its first multi-media campaign, “Water is Life” in the High Priority Provinces of East Java, West Java, West Sumatra and North Sumatra. Regular multi-media campaigns are implemented in partnership with local media and NGOs in each HPP capital on a bi-monthly basis. ESP and USAID/BHS partner messages are communicated through these regular campaigns that communicate information and ‘calls for action’ through a range of electronic, print and community-based media.

Multi-media campaigns are just one part of ESP’s integrated approach to communications and behavior change. Two additional tools include community conservation awareness campaigns, and health and hygiene campaigns. One-year community conservation awareness campaigns target upper-watershed communities, and strive to build awareness of, pride in and conservation management for areas of high biodiversity value. Health and hygiene campaigns focus on more densely populated urban and peri-urban areas including but not limited to provincial capitals. Both conservation awareness campaigns and health and hygiene campaigns apply social marketing principles and best practices, and stimulate behavior change of target groups necessary to achieve ESP outcomes.

ESP’s multi-media campaigns are implemented on a regular, bi-monthly basis in each High Priority Province. Campaigns include ‘global’ and ‘local’ content developed in a briefing kit that forms the information base for month-long campaigns. Each campaign involves a seven-step process that includes media kit development and distribution; media gathering; journalist field visit to local story site; radio talk shows with interview guidelines; community- and school-based activities; regular contact with journalists to press the campaign issue; and ideas for additional



ARMAND ABDUL ROHMAN, ESP JAKARTA/WEST JAVA

ESP worked with twenty schools, the Ministry of Forestry and the Cianjur district government to launch “Plant as a Child and Harvest as an Adult” national reforestation campaign. Pictured in this photograph are Minister of Forestry M.S. Kaban (left) and legendary Indonesian folk singer Iwan Fals (right) with school children during campaign launching activities.

activities with television and other media resources. Monitoring and evaluation is conducted during and after each campaign to sharpen the message and ensure impact.

ESP's first multi-media campaign was conducted in September North and West Sumatra, and East and West Java. This resulted in 83 stories covered in print media and 12 television and talk shows featured in 42 different media outlets. Some highlights include:

- School children and teachers at Purwodadi studied water conservation at school and then initiated a community water conservation campaign, thus generating significant local media coverage;
- In Padang and Medan, local branches of the Indonesia Journalist Association through their weight behind the "Water is Life" campaign, thus providing essential political support early in the campaign that resulted in deeper coverage by both print and electronic media throughout the campaign;
- A journalist training in Medan has resulted in the establishment of Journalists' Forum for the Environment, a communications channel to cover and advocate for environmental services issues in North Sumatra media;
- In Bandung, journalists and NGOs came together to form the Water Communications Working Group, with the mission to raise awareness of environmental and public health issues in West Java.

Over the next year, ESP looks forward to facilitating multi-media campaigns focusing on point-of-use water management; environmental management and flood control; water resource conservation; rewards and incentives for environmental services; and various health and hygiene issues. As the "Water is Life" campaign has demonstrated, a multi-media campaign is a powerful tool for generating local awareness of environmental and other basic human services, and stimulating change at the provincial to household level.

## SECTION I

# INTRODUCTION AND SUMMARY

## INTRODUCTION

*USAID's Environmental Services Program (ESP) promotes better health through improved water resources management and expanded access to clean water and sanitation services.*

This document represents Quarterly Progress Report No. 2 of the Environmental Services Program for the period July 1, 2005 through September 30, 2005. This report provides information the initiation and execution of program activities in the various regions covered by ESP. The remainder of this chapter and the following sections will provide the reader with an executive-style summary of the program, its achievements, and upcoming significant events, as well as a more detailed description of accomplishments in each component of the program, a special section on Aceh Province, the status of Program Monitoring and Evaluation, and summary of the financial status of the Project.

## BAB I

# PENGANTAR DAN RINGKASAN

## PENGANTAR

*Program Layanan Lingkungan USAID (Environmental Services Program - ESP) mempromosikan kesehatan yang lebih baik melalui penanganan sumber air dan perluasan akses untuk memperoleh pelayanan sanitasi dan air bersih.*

*Dokumen ini adalah Laporan Kemajuan Triwulan No. 2 dari ESP untuk periode 1 Juli 2005 sampai 30 September 2005. Laporan ini berisi informasi peluncuran dan pelaksanaan program-program ESP di berbagai daerah kerja. Sisa bab ini dan bagian-bagian berikutnya berisi ringkasan program, keberhasilan program ini, kegiatan-kegiatan penting yang akan datang, penjelasan rinci mengenai pencapaian di setiap komponen program, satu bagian khusus tentang Propinsi Nanggroe Aceh Darussalam, status Evaluasi dan Pengawasan Program, dan ringkasan status finansial proyek ini.*

## SECTION I.I.

# ESP OVERVIEW

### THE ESP PROGRAM

This Quarterly Progress Report for ESP is submitted by Development Alternatives, Inc. to the United States Agency for International Development in accordance with Article II, Section G, Reports (as modified) of Contract No. 497-M-00-05-00005-00 executed January 11, 2005. Copies of this report are also being provided to Government of Indonesia steering committee members, other relevant programs of USAID, as well as subcontractors and partners of the ESP Program per the distribution list attached to the transmittal letter.

ESP works with government, private sector, NGOs, community groups and other stakeholders to improve the management of water resources and broaden the distribution of safe water to urban dwellers by strengthening watershed management and delivery of key environmental services, including clean water supply, wastewater collection and treatment and solid waste management in Indonesia. The period of the project is from December 2004 through September 2009 including an initial transition from previous programs.

The Environmental Services Program is a five-year project which was developed by USAID/Indonesia to improve sustainable management of water resources. ESP activities are focused on seven High Priority Integrated Provinces: Nanggroe Aceh Darussalam, North Sumatra, West Sumatra, East Java, Central Java, West Java and DKI Jakarta. ESP also supports a limited set of activities in four Special Imperative Areas: Balikpapan, Manado, Manokwari and Jayapura. This initiative supports activities in the following three key areas:

## BAB I.I.

# SEKILAS ESP

### PROGRAM ESP

*Laporan Kemajuan Triwulan ini disampaikan oleh Development Alternatives, Inc. kepada Badan Pembangunan Internasional Amerika Serikat (United States Agency for International Development – USAID) sehubungan dengan Pasal II, Bab G, Laporan (sesuai revisi) Kontrak No. 497-M-00-05-00005-00 tertanggal 11 Januari 2005. Salinan laporan ini juga diberikan kepada anggota komite pengarah pemerintah Indonesia, program USAID lain yang terkait, seperti subkontraktor dan mitra Program ESP seperti yang terlampir dalam surat pengantar.*

*ESP bekerja dengan pemerintah, sektor swasta, LSM, kelompok masyarakat dan para pemangku kepentingan (stakeholders) untuk meningkatkan pengelolaan sumber daya air dan memperluas distribusi air yang aman untuk penduduk perkotaan melalui perbaikan pengelolaan daerah aliran air sungai dan penyediaan jasa lingkungan, termasuk pasokan air bersih, penampungan serta pengelolaan air limbah dan pengelolaan limbah padat di Indonesia. Proyek ini berlangsung sejak Desember 2004 sampai September 2009 termasuk masa transisi awal program sebelumnya.*

*ESP adalah proyek lima tahun yang dikembangkan USAID/Indonesia untuk meningkatkan pengelolaan sumber daya air yang berkelanjutan. Kegiatan ESP difokuskan pada tujuh propinsi yang menjadi prioritas: Nanggroe Aceh Darussalam, Sumatra Utara, Sumatra Barat, Jawa Timur, Jawa Tengah, Jawa Barat dan DKI Jakarta. ESP juga mendukung beberapa kegiatan di empat area khusus: Balikpapan, Manado, Manokwari dan Jayapura. Dukungan tersebut meliputi tiga hal utama:*

- Improving health by increasing access to clean water and sanitation services;
- Improved watershed management;
- Increasing the productivity of water.

The ESP program provides technical assistance and related services to impact USAID's **Strategic Objective No. 2, Higher Quality Basic Human Services Utilized (BHS)**. BHS focuses on the interdependence of health and the environment and their impact on health outcomes. To achieve this, USAID will increase access and utilization of key health and environmental services, particularly to users currently underserved or not served at all.

### OBJECTIVES OF THE ESP PROGRAM

In accordance with Section C of the Contract, ESP will work with the Government of Indonesia, the private sector, NGOs, community groups and other stakeholders to strengthen watershed management and the key environmental services through four interrelated project objectives:

1. Strengthen the capacity of communities, governments, the private sector, local institutions, and NGOs to advocate for expanded delivery of key environmental services through improved water resources and protected areas management;
2. To expand opportunities for communities, NGOs, private sector and universities to participate more effectively in local management of water resources and delivery of key environmental services;  
To strengthen biodiversity conservation through improving understanding and appreciation for the linkage between protected and forested areas and the delivery of key environmental services; and

- Memperbaiki kesehatan dengan memperluas jangkauan layanan sanitasi dan air bersih;
- Memperbaiki pengelolaan daerah aliran sungai;
- Meningkatkan produktivitas air.

Program ESP menyediakan bantuan teknis dan pelayanan terkait guna memenuhi Tujuan Strategis No. 2 dari Pelayanan Kebutuhan Dasar Manusia dengan Kualitas yang Lebih Tinggi (Higher Quality Basic Human Services Utilized - BHS) dari USAID. BHS memusatkan perhatian pada keterkaitan antara lingkungan dan kesehatan serta dampak keduanya pada kesehatan. Untuk mencapai hal ini, USAID akan menambah akses dan pemanfaatan layanan pokok lingkungan dan kesehatan, khususnya bagi masyarakat yang kurang atau sama sekali belum merasakan pelayanan tersebut.

### TUJUAN PROGRAM ESP

Merujuk pada Bab C dalam kontrak, ESP akan membina kerja sama dengan pemerintah Indonesia, sektor swasta, LSM, kelompok masyarakat dan para pemangku kepentingan untuk meningkatkan pengelolaan sumber air dan pelayanan lingkungan melalui empat tujuan proyek yang saling terkait:

1. Memperkuat kapasitas masyarakat, pemerintah, sektor swasta, institusi lokal, dan LSM dalam mendukung Layanan Jasa Lingkungan (Environmental Services Delivery) melalui peningkatan sumber daya air dan pengelolaan kawasan yang dilindungi;
2. Memperluas kesempatan bagi masyarakat, LSM, sektor swasta dan universitas untuk berpartisipasi secara lebih efektif dalam pengelolaan lokal sumber-sumber air dan pemberian layanan jasa lingkungan .
3. Memperkokoh pelestarian keanekaragaman hayati melalui pemahaman dan pengetahuan terhadap keterkaitan antara kawasan lindung dan kawasan hutan serta pemenuhan layanan jasa lingkungan;

4. To improve health and livelihoods of Indonesians through improved and expanded access to key environmental services (water, sanitation, solid waste) through the use of appropriate technologies, innovative financing, environmentally sustainable best practices, and sustainable market oriented activities.

Central to the above-described program will be a coordinated, collaborative and integrated approach involving all of the programs of the Basic Human Services Offices of USAID. In order to more effectively impact the success rate of BHS programs, strong efforts are being made to assure as much synergy within the program as possible. The ESP project is committed to work closely with and in parallel to other relevant BHS programs such as, but not limited to:

- The Health Services Project (Maternal, Neo-natal and Child Health)
- The Development Assistance Programs (food assistance)
- The Safe Water Systems (SWS) Project

In addition, the ESP program is collaborating very closely with other relevant programs of related USAID Strategic Objectives, such as the Local Government Support Program (LGSP), the Decentralized Basic Education Programs (DBEI, 2 & 3), and the Aceh Technical Assistance Recovery Program (ATARP).

4. Meningkatkan kesehatan dan mata pencaharian penduduk Indonesia melalui perbaikan serta perluasan akses terhadap layanan lingkungan (air, sanitasi, dan limbah padat) dengan memanfaatkan teknologi tepat guna, pendanaan yang inovatif, praktik-praktik yang berwawasan lingkungan dan pelaksanaan kegiatan yang berorientasi pasar yang berkelanjutan.

*Yang paling utama dari program ini adalah pendekatannya yang terkoordinasi, kolaboratif dan terpadu dengan melibatkan semua program yang termasuk dalam program Pelayanan Kebutuhan Dasar Manusia (BHS) dari USAID. Agar dapat memberi dampak yang lebih efektif atas keberhasilan program BHS, maka banyak usaha yang dilakukan untuk bisa mencapai sebanyak mungkin sinergi di dalam program ini. Proyek ESP memiliki komitmen untuk bekerja sama dengan program BHS lain yang terkait, tidak terbatas pada program tersebut dibawah ini:*

- *Proyek Layanan Jasa Kesehatan (Kesehatan Ibu, Bayi dan Anak);*
- *Proyek Bantuan Pembangunan (bantuan pangan);*
- *Proyek Sistem Air yang Aman (SWS)*

*Di samping itu, ESP juga bermaksud untuk membina kerja sama yang lebih erat dengan program-program terkait lainnya yang dibiayai USAID, seperti Program Dukungan Pemerintah Daerah (Local Government Support Program – LGSP), Program Pendidikan Dasar Terdesentralisasi (Decentralized Basic Education Program – DBE 1,2, dan 3) serta Program Bantuan Teknis Pemulihan Aceh (Aceh Technical Assistance Recovery Program – ATARP)*



## SECTION 1.2.

# SUMMARY OF QUARTERLY ACHIEVEMENTS

## INTRODUCTION

ESP continued through this quarter building project systems and relationships on which an even further ramping up of project activities and critical mass will be based. Good progress was made on all fronts and in all components of the project. This section presents a brief overview of the activities and achievements of ESP this quarter. These highlights are organized according to the respective component, namely, Watershed Management, Service Delivery, Environmental Finance. Nanggroe Aceh Darussalam Province and Program Management. For a more detailed description of these and other accomplishments in the period, please refer to Section 2.

This quarter was important from the standpoint of initiating the diverse sets of activities, baseline studies, and feasibility work in order to determine critical areas of work, committed local governments to work with, and place teams in the field to carry out the work. The sheer volume of activities in six provinces, soon to be seven when Central Java starts up, is evidenced by the content of our Bi-Weekly Program Updates, which highlight the multitude of activities large and small taking place in each of the High Priority Provinces.

## WATERSHED MANAGEMENT AND BIODIVERSITY CONSERVATION

This quarter was highlighted by the following major activities in Watershed Management and Biodiversity Conservation:

## BAB 1.2.

# RINGKASAN KEBERHASILAN TRIWULAN

## PENDAHULUAN

*Pada triwulan ini ESP terus membangun sistem proyek dan hubungan yang akan menjadi dasar kegiatan ini. Perubahan yang baik terjadi pada komponen-komponen proyek. Bagian ini menengahkan bahasan singkat tentang keberhasilan dan aktivitas ESP pada triwulan ini melalui pembahasan tiap komponen, yaitu Pengelolaan Daerah Aliran Sungai, Penyedia Jasa Lingkungan dan Pembiayaan Jasa Lingkungan, Propinsi Aceh dan Pengelolaan Program menjadi fokus dalam bagian ini. Untuk melihat gambaran rinci mengenai hal di atas, silakan lihat Bab 2.*

*Triwulan ini menjadi titik awal yang penting untuk memulai beragam kegiatan, studi awal (baseline studies) dan studi kelayakan agar kita dapat menentukan tugas-tugas penting dalam pekerjaan ini, menarik komitmen pemerintah untuk bekerja sama, dan menempatkan tim di lapangan untuk menjalankan program tersebut. Besarnya kegiatan ini di enam propinsi, akan menjadi tujuh propinsi ketika kegiatan mulai di Jawa Tengah, nampak dalam isi Laporan Program Dua Mingguan yang menyoroti besar dan kecilnya kegiatan di daerah kerja ESP.*

## PENGLOLAAN DAERAH ALIRAN SUNGAI DAN PELESTARIAN KEANEKARAGAMAN HAYATI

*Triwulan ini ditandai dengan kegiatan-kegiatan besar komponen Pengelolaan Daerah Aliran Sungai dan Pelestarian Keanekaragaman Hayati berikut:*

- Supported **7 multi-stakeholder watershed planning and management forums** in Aceh, North Sumatra, West Sumatra, two in West Java, East Java and Manado;
- **Sustainable livelihood assessments** were performed in North Sumatra, West Sumatra, East Java and West Java, leading to community-based participation and the forming of community networks;
- **Awareness campaign** undertaken with Ministry of Forestry in Cianjur, West Java for the 'Plant as a Child, Harvest as an Adult' concept;
- **Watershed Management Planning** guidance was prepared by renowned expert, Dr. Jan Gerard, with emphasis placed on iterative planning and management linked to sustainable livelihoods and early field activities;
- Collaborated in a workshop with DFID and others to stimulate compliance with a new ministerial decree on protected areas management (P.19/Menhut-II/2004);
- Leveraged nearly US\$400,000 for forest rehabilitation activities from the Ministry of Forestry toward ESP-facilitated multi-stakeholder forum activities.

## ENVIRONMENTAL SERVICE DELIVERY

Because of the distinct and precise nature of Service Delivery activities, there are far too many to list in a brief summary. However, the following represents a sampling of the more significant activities undertaken, initiated or achieved during the quarter.

- Conducted benchmarking assessments for 22 PDAMs;
- PDAM Corporate Planning ongoing in 6 locations;

- Mendukung **tujuh forum multipihak untuk pengelolaan dan perencanaan daerah aliran sungai** di Aceh, Sumatra Utara, Sumatra Barat, dua di Jawa Barat, Jawa Timur dan Manado;
- **Sustainable Livelihoods Assessment** di Sumatra Utara, Sumatra Barat, Jawa Timur dan Jawa Barat, yang bertujuan untuk mengarahkan partisipasi masyarakat dan membentuk jaringan masyarakat;
- **Kampanye penyadaran** bekerja sama dengan Departemen Kehutanan dengan konsep "Kecil Menanam, Dewasa Memanen", di Cianjur, Jawa Barat;
- Panduan **Perencanaan Pengelolaan Daerah Aliran Sungai** dikerjakan oleh Dr. Jan Gerard dengan fokus pada perencanaan dan pengelolaan terus-menerus terkait dengan mata pencaharian berkelanjutan dan kegiatan awal di lapangan;
- Berkolaborasi dalam suatu lokakarya dengan DFID dan lainnya untuk mendorong dipatuhinya Ketetapan Menteri baru tentang pengelolaan daerah-daerah yang dilindungi (P.19/Menhut-II/2004)
- Mendapat dukungan sekitar 400.000 untuk kegiatan rehabilitasi hutan Departemen Kehutanan yang akan dilaksanakan sejalan dengan kegiatan forum multipihak yang difasilitasi ESP.

## LAYANAN JASA LINGKUNGAN

Karena sifatnya yang rinci dan berbeda, kegiatan-kegiatan Layanan Jasa Lingkungan sulit untuk didaftar. Berikut ini adalah contoh kegiatan-kegiatan yang sedang dijalankan, baru dimulai dan telah selesai dilaksanakan selama satu triwulan:

- Melaksanakan benchmarking assessments untuk 22 PDAM;
- Pembuatan Rencana Perusahaan PDAM sedang berlangsung di 6 lokasi;

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• Customer Satisfaction Surveys ongoing in 8 PDAMs.</li> <li>• Non-Revenue Water Reduction Program begun in Purwakarta.</li> <li>• Pilot programs on energy savings being discussed with Watergy (USA).</li> <li>• Two week management training for 84 PDAM managers.</li> <li>• Started two PDAM IKK system improvements.</li> <li>• Placed 24 trainees into USAEP's water treatment plant "re-rating" training in Padang and Bali.</li> <li>• Very successful "Handwashing with Soap" campaign in East Java and North Sumatra.</li> <li>• Successful nationwide Multi-City Sanitation Seminar conducted in Surabaya.</li> <li>• Sewerage assessments conducted in Medan and Bandung by Indah Water Konsortium and nationwide by ESP team.</li> <li>• 5 Community-based Sanitation Systems initiated by BORDA.</li> <li>• Community-level effluent waste treatment system being planned for poor Jakarta community.</li> <li>• Close collaboration with water and environment programs of other donors such as World Bank, ADB, Dutch Fund, CIDA, SIDA, etc.</li> <li>• 4 Solid Waste Management case studies completed.</li> <li>• Community Based Solid Waste Management plan underway to complement JBIC flood control project in North Sumatra.</li> <li>• Sanitary Landfill Training for Operators in Surabaya in cooperation with the US Office of Surface Mining.</li> </ul> | <ul style="list-style-type: none"> <li>• <i>Survei Kepuasan Pelanggan sedang berlangsung di 8 PDAM;</i></li> <li>• <i>Program Non-Revenue Water Reduction dimulai di Purwakarta;</i></li> <li>• <i>Program-program utama tentang penghematan energi sedang didiskusikan bersama Watergy (Amerika Serikat);</i></li> <li>• <i>Pelatihan manajemen selama dua minggu untuk 84 manajer PDAM;</i></li> <li>• <i>Memulai dua perbaikan sistem IKK PDAM;</i></li> <li>• <i>Menempatkan 24 peserta dalam pelatihan re-rating sarana pengolahan air oleh USAEP di Padang dan Bali;</i></li> <li>• <i>Kampanye "Cuci Tangan dengan Sabun" di Jawa Timur dan Sumatra Utara;</i></li> <li>• <i>"Seminar Sanitasi Multi-Kota" berskala nasional diselenggarakan di Surabaya;</i></li> <li>• <i>Jajak limbah di Medan dan Bandung oleh Indah Water Consortium dan secara nasional oleh dilaksanakan oleh tim ESP;</i></li> <li>• <i>Lima Sistem Sanitasi berbasis Komunitas mulai dilaksanakan oleh BORDA;</i></li> <li>• <i>Sistem pengolahan air berbasis komunitas untuk komunitas miskin Jakarta sedang direncanakan;</i></li> <li>• <i>Kolaborasi dengan program air dan lingkungan yang sedang dijalankan oleh donor-donor lain seperti World Bank, ADB, Dutch Fund, CIDA, SIDA, dan sebagainya;</i></li> <li>• <i>Empat studi kasus pengelolaan sampah padat dirampungkan;</i></li> <li>• <i>Rencana pengelolaan sampah padat berbasis komunitas terus dijalankan untuk melengkapi proyek penanganan banjir JBIC di Sumatra Utara;</i></li> <li>• <i>Pelatihan Sanitary Landfill untuk para operator di Surabaya, bekerja sama dengan US Office of Surface Mining.</i></li> </ul> |
|---|---|

## ENVIRONMENTAL SERVICES FINANCE

The Environmental Services Finance Component, often referred to as the Municipal Finance Team, had a good quarter in that they were able to complete the long term staffing requirement and also begin the integration of the finance work with the Service Delivery Team and also made inroads to the ways in which alternative forms of finance can be brought to bear in the Watershed management and Biodiversity Conservation Component.

The more significant accomplishments this past quarter include:

- Addition of two financial analysts, Benny Djumhana and Nugroho Andwiwinarno to the Finance Team.
- Worked with 5 PDAMs to prepare tariff petitions to accommodate capital expenditure programs.
- Identified policy gaps in the enabling environment for PDAMs and municipalities to obtain commercial finance.
- Initiated feasibility studies in Subang and Bogor, West Java, to mobilize in excess of Rp. 300 billion in finance for two PDAM expansion programs.
- Initiated the concept design work on a Water Revolving Fund and a Specialized Finance Company.
- Initiated discussion with the local government and PDAM in Balikpapan on the possibility of floating a General Obligation Revenue Bond, much of which would go toward water supply infrastructure.
- Developing micro-credit tools for expansion of connections to water supply networks.
- Began baseline study work on a concept for sanitation mapping in the major cities of Indonesia.

## PEMBIAYAAN JASA LINGKUNGAN

*Komponen ini sering disebut Tim Keuangan Kota, berhasil merekrut staf untuk kebutuhan jangka panjang dan mengintegrasikan pekerjaan finansial dengan tim jasa lingkungan, serta menemukan cara agar sistem pembiayaan alternatif dapat bersinergi dengan Komponen Pengelolaan Daerah Aliran Sungai dan Pelestarian Keanekaragaman Hayati.*

*Pencapaian penting triwulan ini:*

- *Rekrutmen dua analis keuangan, Benny Djumhana dan Nugroho Andwiwinarno ke dalam Tim Finansial;*
- *Bekerja sama dengan lima PDAM untuk menyiapkan petisi tarif untuk mengakomodasi program pembelanjaan kapital;*
- *Mengidentifikasi kesenjangan kebijakan agar PDAM dan kotamadya mendapatkan dana komersil;*
- *Melaksanakan studi kelayakan di Subang dan Bogor, Jawa Barat, untuk memakai Rp 300 juta untuk dua program perluasan PDAM;*
- *Memulai disain konsep Water Revolving Fund dan Specialized Finance Company;*
- *Berdiskusi dengan pemerintah setempat dan PDAM di Balikpapan tentang kemungkinan penjualan General Obligation Revenue Bond kepada publik, yang mayoritas akan dipakai untuk infrastruktur pemasok air;*
- *Mengembangkan alat-alat mikro-kredit demi perluasan koneksi jaringan pemasok air;*
- *Memulai studi awal mengenai konsep pemetaan sanitasi di kota-kota besar di Indonesia.*

## NANGGROE ACEH DARUSSALAM PROVINCE COMPONENT

A very significant event which occurred during this quarter was the Development Alternatives, Inc. received a Request for Proposal for Modification of the Contract to include and provide financing for a significance ESP operation in the tsunami-affected province of Nanggroe Aceh Darussalam. Upon the request of USAID/Indonesia, ESP had been working in Aceh beginning with an assessment study done in February 2005 and the official mobilization of a team in April 2005. However, that work was initiated on a small scale and with the expectation of no additional project funds. On September 29, 2005, USAID awarded the Environmental Services Program Modification No. 2 which added approximately US\$7.2 million to the program which now totals US\$46.5 million. The additional monies are specifically earmarked for the following components of work:

- a) Watershed Management and Biodiversity Conservation
- b) Environmental Services Delivery, including water supply, wastewater collection and treatment, solid waste management and behavioral change.
- c) Environmental Services Finance, and
- d) Environmentally Sound Design and Implementation in Aceh.

Activities of note during the past quarter in Aceh Province included:

- Executed two MOU's with PDAM Banda Aceh and PDAM Aceh Besar, and began work on the management and accounting training work.
- Facilitated visit of USTDA's consultant, Mr. Rolf Lange of Millennium Engineering Consultants, to identify potential projects for financing.
- Provided pipe distribution network training for PDAM Aceh Besar staff.

## KOMPONEN PROPINSI NANGGROE ACEH DARUSSALAM

*Kejadian penting yang terjadi dalam triwulan ini adalah ketika the Development Alternatives, Inc. mendapat Permintaan Proposal untuk Modifikasi Kontrak agar memasukkan dan menyediakan dana untuk operasi ESP di propinsi yang terkena tsunami, yaitu Nanggroe Aceh Darussalam. Berkaitan dengan permintaan USAID/Indonesia tersebut, ESP telah beroperasi di Aceh dimulai dengan jajak lapangan pada Februari 2005 dan secara resmi tim itu mulai bekerja pada April 2005. Pekerjaan tersebut dikerjakan dalam skala kecil dan tanpa harapan akan mendapat tambahan dana. Pada 29 September 2005, USAID memberikan ESP Modifikasi No.2 yang menambahkan sekitar US\$ 7,2 juta untuk program ini sehingga total bantuannya sekarang berjumlah US\$ 46,5 juta. Dana tambahan tersebut dimaksudkan untuk membiayai komponen-komponen kerja berikut ini:*

- a) *Pengelolaan Daerah Aliran Sungai dan Pelestarian Keanekaragaman Hayati;*
- b) *Layanan Jasa Lingkungan, termasuk penyediaan air, penampungan dan pengelolaan air limbah, pengelolaan sampah padat dan perubahan perilaku;*
- c) *Pembiayaan Jasa Lingkungan dan*
- d) *Implementasi Program Ramah Lingkungan di Aceh.*

*Kegiatan yang telah dilakukan pada triwulan sebelumnya di Propinsi Aceh meliputi:*

- *Mewujudkan dua nota kesepahaman (Memorandum of Understanding) bersama PDAM Banda Aceh dan PDAM Aceh Besar, dan mulai melaksanakan pelatihan akuntansi dan manajemen;*
- *Memfasilitasi kunjungan konsultan USTDA, Rolf Lange dari Millenium Engineering Consultants, untuk mengidentifikasi proyek-proyek yang berpotensi didanai;*
- *Mengadakan pelatihan jaringan distribusi pipa untuk PDAM Aceh Besar;*

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• Conducted assessment survey of PDAM Aceh Barat (Meulaboh) and provided distribution network training there as well.</li> <li>• Leveraged some US\$20 million by supporting bid by International Relief &amp; Development (IRD) to UNICEF for the improvement and repair of 20 water treatment plants in Aceh together with some rural development work. An MOU will be worked out with IRD to agree on the type and nature of assistance to be provided by ESP in support of this much-needed hardware activity.</li> <li>• Assessed District-level health facilities and surrounding environs with BHS partner, the Health Services Program (HSP).</li> <li>• Placed seconded staff from ESP and three computers inside the PDAM Banda Aceh to restart their accounting section.</li> <li>• Conducted extensive Groundwater Development and Protection Scoping Study for Aceh with Hydrogeologist, Phil Brown. This work will lead to Hydromet monitoring programs, hydrochemical evaluation programs on rivers, water balancing studies, groundwater protection database systems, and a ground water management model.</li> <li>• Initiated a watershed management forum for the very large Krueng Aceh River Basin area.</li> </ul> | <ul style="list-style-type: none"> <li>• <i>Mengadakan penilaian terhadap PDAM Aceh Barat (Meulaboh) dan memberikan pelatihan jaringan distribusi;</i></li> <li>• <i>Mendapat dukungan US\$ 20 juta setelah mendukung proposal International Relief and Development (IRD) kepada UNICEF. Proposal ini bertujuan meningkatkan kinerja dan memperbaiki 20 sarana pengolahan air di Aceh serta untuk program pengembangan pedesaan. Sebuah MoU akan dibuat bersama IRD untuk menyepakati jenis dan sifat bantuan yang akan diberikan ESP untuk memfasilitasi kegiatan ini;</i></li> <li>• <i>Menilai fasilitas kesehatan di tingkat kabupaten dan lingkungan sekitarnya dengan mitra BHS, yaitu Program Jasa Kesehatan (Health Services Program – HSP);</i></li> <li>• <i>Menempatkan staff ESP dan tiga komputer di dalam PDAM Banda Aceh untuk memulai ulang pekerjaan akuntansi mereka;</i></li> <li>• <i>Mengerjakan Studi Perlindungan dan Pengembangan Air Tanah untuk Aceh dengan ahli hidrogeologi, Phil Brown. Tujuan pekerjaan ini adalah program pengawasan hydromet, program evaluasi hidrokimia di sungai-sungai, studi keseimbangan air, sistem database perlindungan air tanah dan model pengelolaan air tanah;</i></li> <li>• <i>Mengadakan forum pengelolaan daerah aliran sungai untuk area Krueng Aceh yang sangat luas.</i></li> </ul> |
|---|---|



## PROGRAM MANAGEMENT

After project initiation workshops, relationship building, and providing a good foundation on which to work in the first six months of the program, the ESP Program has been able to execute a serious volume of activities toward accomplishment of first year goals and overall program goals. This quarterly we basically initiated all aspects of the project in each High Priority Integrated Province and in some Special Concern Imperative Areas. After working out the best ways in which to implement these tasks and socializing them with local governments and community groups, we will be in a good position to ramp up to a critical mass of project activity in the coming quarter (October-December 2005).

### Integration Theme

Before summarizing progress on the Program Management front, it is important to understand the achievements in the integration theme of the ESP project. ESP has made a very conscious and concerted effort to communicate with, collaborate with, and to facilitate collaboration with a multitude of partners, organizations, and programs within and outside of USAID. The following cites a limited set of examples:

#### Within ESP

- Multi-stakeholder forums involving farmer groups, PDAMs, users and others;
- PDAM involvement in upstream responsibilities;
- Innovative finance for Watershed and Service Delivery activities;
- Cross-cutting themes and training of staff.

#### Within BHS

- Joint efforts with Safe Water Systems;
- Working closely with Health Services Program;

## MANAJEMEN PROGRAM

Setelah lokakarya pelaksanaan proyek, membangun hubungan kerjasama dan memberikan dasar yang baik untuk bekerja enam bulan ke depan, program ESP berhasil menjalankan beberapa kegiatan utama demi pencapaian tujuan tahun pertama dan keseluruhan tujuan program. Pada triwulan ini, pada dasarnya kami telah melaksanakan seluruh aspek dalam proyek di Nanggroe Aceh Darussalam, Sumatra Utara, Sumatra Barat, Jawa Timur, Jawa Tengah, Jawa Barat, DKI Jakarta dan di kota-kota seperti Balikpapan, Manado, Manokwari dan Jayapura. Setelah mengerjakan tugas-tugas ini dengan sebaik-baiknya dan mensosialisasikannya dengan pemerintah setempat dan kelompok-kelompok masyarakat, kami siap mengerjakan sejumlah besar kegiatan proyek ini untuk triwulan berikutnya (Oktober –Desember 2005).

### Tema Integrasi

Sebelum menyimpulkan kemajuan dalam hal Manajemen Program, penting untuk memahami keberhasilan integrasi dalam proyek ESP. ESP telah berupaya untuk berkomunikasi, berkolaborasi, dan memfasilitasi kolaborasi dengan beragam mitra, organisasi-organisasi dan program di dalam dan di luar USAID. Berikut adalah contoh-contohnya :

#### Di dalam ESP

- Forum multipihak melibatkan kelompok petani, PDAM, para pengguna dan lainnya;
- Keterlibatan PDAM untuk ikut bertanggung jawab dalam pengelolaan daerah hulu;
- Pembiayaan inovatif untuk kegiatan jasa lingkungan dan daerah aliran sungai;
- Tema-tema lintas bidang dan pelatihan staf.

#### Di dalam BHS

- Bekerja sama dengan Safe Water Systems;
- Bekerja erat dengan Health Services Program;

- Collaborating with DAP (Mercy Corps, World Vision).

#### With other USAID Programs

- Initiated Inter-Project Coordination Meetings with all SO's.
- Coordinate site locations with LGSP
- Interact routinely with MBE, DBE 1, 2 and 3
- Strong links with A-TARP and SENADA
- Regional links with RDM/A & USAEP programs.

#### With NGOs

- International Relief & Development (IRD)
- Mercy Corps
- World Vision
- WMD (Netherlands Association of Water Cos.)
- Warga Peduli Lingkungan
- LP3ES, and numerous others

#### With Private Sector

- Indonesian private sector, small and large firms
- Gearing up to work with large multi-nationals (e.g. Coca-Cola, Ford Motor Co., etc.)

#### With other Bi-lateral Donors

- Dutch Trust Fund
- AusAID
- Swedish Aid (SIDA)
- Canadian IDRC and others

#### With Multi-lateral Agencies

- Close link with World Bank programs, WSP, Waspola
- Associating with ADB technical assistance programs

#### And of course with our GOI Counterpart Line Agencies

- Berkolaborasi dengan DAP (Mercy Corps, World Vision).

#### Dengan program USAID lainnya

- Mengadakan pertemuan Koordinasi Inter Proyek dengan seluruh SO;
- Mengkoordinasikan lokasi proyek dengan LGSP;
- Berinteraksi secara rutin dengan MBE, DBE 1, 2 dan 3;
- Memiliki ikatan yang kuat dengan A-TARP dan SENADA;
- Memiliki hubungan regional dengan program RDM/A dan USAEP.

#### Dengan LSM

- International Relief & Development (IRD);
- Mercy Corps;
- World Vision;
- WMD (Netherlands Association of Water Cos.);
- Warga Peduli Lingkungan;
- LP3ES, dan lain-lainnya.

#### Dengan Sektor Swasta

- Sektor swasta Indonesia, perusahaan besar dan kecil;
- Mempersiapkan diri untuk bekerja dengan perusahaan multi nasional (seperti: Coca-Cola, Ford Motor Co., dan lain-lain).

#### Dengan Donor Bilateral lainnya

- Dutch Trust Fund;
- AusAID;
- Swedish Aid (SIDA);
- Canadian IDRC dan lain-lainnya.

#### Dengan Lembaga Multi-lateral

- Berhubungan dekat dengan program-program World Bank, WSP, Waspola;
- Bekerjasama dengan Program Bantuan Teknis ADB.

#### Dan tentu saja dengan lembaga pemerintah Indonesia lain selaku mitra kerja kami.

## ACCOMPLISHMENTS THIS QUARTER

- Concluded Modification negotiation to add NAD and Central Java to the ESP Contract.
- Continue to increase professional and support staff
- Relentlessly pursue intra-project communications and coordination (bi-weekly updates, technical advisors meetings)
- Conducted Inter-Project Coordination Meetings
- Issued 4 small grants totaling \$65,000.
- Initiated and circulated 1st & 2nd editions of ESP News
- Outreach materials and website development
- Conducted very successful multi-media campaigns resulting in 101 print media stories, 13 TV and talk shows on 52 different media outlets
- Conducted ESP Gender Assessment Study and Report
- GIS team supported regional activities and produced ESP atlas.
- Continued refinement on Performance Monitoring Plan

For significant upcoming event in the Environmental Services Program, please refer to Appendix A, Events Calendar.

## KEBERHASILAN TRIWULAN INI

- Menyimpulkan Negosiasi Modifikasi untuk menambahkan NAD dan Jawa Tengah ke dalam kontrak ESP;
- Terus menambah staf profesional dan staf pendukung;
- Terus-menerus melakukan koordinasi dan komunikasi dalam proyek (melalui update dwi mingguan, rapat penasehat teknis);
- Mengadakan rapat koordinasi Inter-Proyek;
- Memberikan empat bantuan hibah kecil dengan nilai total \$65,000;
- Memelopori dan mengedarkan ESP News edisi pertama dan kedua;
- Pengembangan laman (web site) dan materi-materi kampanye;
- Kampanye multimedia menghasilkan liputan di 101 cerita media cetak, 13 TV dan talk shows pada 52 media yang berbeda;
- Melaksanakan laporan dan studi Analisa Gender ESP;
- Tim GIS mendukung aktivitas regional dan memproduksi atlas ESP;
- Melanjutkan perbaikan pada Rencana Pemantauan Keberhasilan.

Untuk peristiwa penting selanjutnya dalam ESP, dapat dilihat di Appendix A, Kalender Acara.



## SECTION 2

# ESP TECHNICAL COMPONENT UPDATES

## INTRODUCTION

In this Section, we present a more detailed account of the Program's activities and achievements during this quarter. This Section is divided into the following Subsections:

- Section 2.1 Watershed Management and Biodiversity Conservation**
- Section 2.2 Environmental Service Delivery**
- Section 2.3 Municipal Finance**
- Section 2.4 Program Management**





## Map of Watershed Areas in ESP Working Sites





## SECTION 2.1.

# WATERSHED MANAGEMENT & BIODIVERSITY CONSERVATION

## INTRODUCTION

During this reporting period, Watershed Management & Biodiversity Conservation component activities focused on strengthening multi-stakeholder watershed management forums in both planning and management activities in initial ESP watershed sites in all HPPs as well as SCIA Manado. To date, ESP is supporting active multi-stakeholder watershed planning and management in seven watersheds.

HPP or SCIA	District	Watershed	Areas (HAs)
Aceh	Aceh Besar	Krueng Aceh	246,520
North Sumatra	Karo, Deli Serdang and Kota Medan	Deli Watershed	48,162
West Sumatra	Padang	Batang Air Dingin, Batang Kuranji, Batang Arau Watershed	53,000
West Java	Cianjur	Gede Pangrango catchment area	743.250
	Subang	Burangrang Tangkuban Perahu catchment area	421.950
East Java	Malang district and municipality; Batu	Sumber Brantas Sub Watershed	19,797,083
Manado	Minihasa	Tondano Watershed	52,991

Strategically chosen in areas close to provincial capitals, and in areas with strong support demonstrated by local government agencies, NGOs, PDAMs and community groups, these initial sites are progressing effectively and attracting positive attention among other stakeholders in each HPP that will lead to efficient expansion of planning and management activities into new additional watersheds as ESP expands. Additionally, ESP deepened relationships with the Ministry of Forestry, the Ministry of Environment and Bappenas in order to better address policy issues that support local conservation management and land rehabilitation.

## TASK WS-I DEVELOPMENT OF WATERSHED MANAGEMENT PLANS

The development of effective watershed management plans is essential for ensuring watershed management activities contribute effectively toward improved land stewardship resulting in conservation of forest areas of high biodiversity value and restoration of degraded forest and critical lands. Key steps towards this include:

- **Site Selection & Watershed Mapping**

While initial watershed sites were selected during the previous reporting period,

significant steps were taken to map these watersheds. General maps were developed to describe land use patterns, forest cover, population density, watershed boundaries, and parameters related to poverty and mortality. These maps are important in defining specific target sites for community development work associated with conservation and rehabilitation.

- **Increasing Awareness and Building Relationships**

ESP made great progress this quarter on increasing awareness of and support for multi-stakeholder watershed planning and management in all HPPs. This was achieved working directly with watershed management forums and community networks, as well as facilitating public outreach campaigns with local media to educate the general public to watershed planning and management. More than thirty meetings and workshops were held at the provincial or district level to discuss multi-stakeholder watershed management. Meetings took place in more than seventy villages in HPPs to discuss community-based approaches to watershed planning and management.

Sustainable Livelihoods Assessments have led to the **creation of community watershed management networks**, working at the local level to understand and resolve water ecology issues in a way that contributes to livelihoods development. In Subang, West Java, **MAPAS** is a network of 14 upstream and 8 downstream villages working on watershed restoration and management. **KERINA**, an acronym that means ‘working together’, brings together 14 villages in the upper watershed of North Sumatra’s Deli River. **FOKAL MESRA** brings together representatives from 14 villages in three neighboring sub-districts in Batu, upper Brantas in East Java, as land care working group. These village networks are expected to stimulate additional village networks, for a **‘network of networks approach to field-based watershed management**.

- **Watershed Management Forums**

Multi-stakeholder watershed management forums were launched in Deli Watershed, North Sumatra; Batang Kuranji and Batang Arau Watersheds in West Sumatra; Cianjur, West Java; Upper Brantas Watershed, East Java; and Krueng Aceh Watershed, Aceh. The Subang watershed management forum in West Java, and the Tondano Watershed Management Forum in Minahasa, North Sumatra, were strengthened. Key steps toward community-based participation in watershed management forums were achieved through the facilitation of Sustainable Livelihoods Assessments leading to the formation of community networks in North Sumatra, West Sumatra, West Java and East Java.

- **Conservation Awareness Campaigns**

ESP worked with the Ministry of Forestry, the Cianjur, West Java, district government and twenty schools to build awareness of and launch the ‘Plant as a Child and Harvest as an Adult’ reforestation campaign. Applying social marketing skills and tapping into a growing network of Indonesian conservation awareness practitioners, ESP worked with Gunung Gede National Park as well as Cianjur-based schools and NGOs to launch this campaign. Positive impact has been achieved across Cianjur District, with exposure reaching the national level.

- **Prepare Watershed Management Plans**

ESP-facilitated multi-stakeholder watershed forums are preparing watershed management plans. A successful consultancy with Dr. Jan Gerard contributed a strong technical basis for watershed management plan content and structure.



Emphasis is placed on iterative planning and management, and initial planning processes are linked to sustainable livelihoods assessments and early field activities.

## TASK WS-2 IMPLEMENTATION OF WATERSHED MANAGEMENT PLANS

- **Field Activities Development**



ALIFAH SRI LESTARI, ESP JAKARTA/WEST JAVA

ESP has trained more than 100 community-based trainers in participatory approaches for Sustainable Livelihoods Assessments in North and West Sumatra as well as in East and West Java.

Sustainable Livelihoods Assessments were conducted in North Sumatra, West Sumatra, West Java and East Java, resulting in the formation of community networks and the preparation of 62 community livelihoods development plans in key ESP watersheds. Community livelihoods development plans focus on improving the water ecology of communities in upper and middle sections of watersheds, and include plans for activities including but not limited to agroforestry and agriculture development; clean water delivery; sanitation management; and solid waste management. At the end of each assessment, Field Days were

held for community members and local government officials. This stimulated local-government buy-in for community development plans. In North Sumatra and West Java, community groups have formed networks to further their work and strengthen community involvement in broader watershed management issues.

- **Degraded Land Rehabilitation**



SYAFRIZALDI, ESP PADANG/WEST SUMATRA

In support of Padang's "Clean and Green City" campaign, ESP worked with FKKM, AFTA, KOMMA and municipal government on the development of community nurseries. 10,000 seedlings from these nurseries will be planted this November.

Important steps have been taken in stimulating degraded land and forest rehabilitation initiatives in North Sumatra, West Sumatra, West Java and East Java. A number of community nurseries have been established. In Cianjur District, West Java, 250 hectares have been set-aside for rehabilitation under the "Plant as a Child and Harvest as an Adult" campaign. An initial 8,000 seedlings have already been planted. An additional 50 hectares of former *Perhutani* land adjacent to Gunung Gede Pangrango National Park, also in Cianjur, West Java, is slated for rehabilitation. In North Sumatra, three new community nurseries have been established, and 2,000

seedlings have been distributed. In East Java, the Mayor of Batu has allocated land for community-based land rehabilitation.

- **Collaborative and decentralized Protected Areas Management**  
ESP collaborated with DFID's Multi-Stakeholder Forest Program, the Ministry of Forestry, Birdlife Indonesia, Conservation International, The Nature Conservancy and World Wide Fund for Nature on a workshop that studied lessons learned in collaborative and decentralized protected areas management, and stimulated the increased application of the new ministerial decree (No. P. 19/Menhut-II/2004) on collaborative management. This is an important step in broadened field-based implementation of Indonesia's collaborative conservation and biodiversity management policy.
- **Watershed Management Plan Financing**  
The Ministry of Forestry contributed Rp. 420,000,000 or \$42,000 for critical land and forest rehabilitation activities in Cianjur, in support of ESP-facilitated multi-stakeholder watershed management. An additional Rp. 3,400,000,000 or \$340,000 may be leveraged from Reforestation Funds to expand and deepen this work.

## SECTION 2.2.

# ENVIRONMENTAL SERVICE DELIVERY COMPONENT

## INTRODUCTION

The past three months have started to show practical activities in all the Service Delivery fields. The level and intensity of activity has been steadily increasing by the use of short term technical assistance both local and expatriate. Cooperation and coordination between SD team and other ESP teams is strong, with joint programs on water source identification and study, PDAM corporate planning, tariff review, GIS mapping support, gender mainstreaming and a quality publications team. ESP relations and reputation with other donor and Government agencies has also increased in this period with regular meetings with Bappenas, Public works Departments, The World Bank, JBIC, ADB, IDRC and others.

## TASKS SD-1, SD-2 AND SD-3 WATER SUPPLY

The major activities of the Service Delivery Team regarding improved water supply during this quarter were as follows:

- **PDAM assessment**  
Completed for 22 PDAMs, including PDAM Benchmarking reports by PERPAMSI for 18 PDAMs. The final report will be produced next quarter and data will be used as baseline data for the ESP PDAM improvement program.
- **PDAM Corporate Planning (CP)**  
Ongoing in 6 locations (PDAM Medan, Karo & Langkat in North-Sumatra and PDAMs Padang, Solok and Bukittinggi in West-Sumatra). CP for PDAM Medan will be completed in November and the others early 2006.
- **Customer Satisfaction Survey's (CSS)**  
This is a crucial supporting activity for corporate Plan development to determine the customer perception of PDAM service. Most questions will be addressed to and answered by the women in the household, which provides them a good opportunity to explain their concerns and problems. CSS is ongoing for all PDAMs mentioned above as well as for PDAMs Batu and Pasuruan (both in East Java). In addition to the specific CSS program, some general questions with regard customer satisfaction are also included in the door-to-door sweeping team activity, which will be further explained below.
- **Non-Revenue-Water (NRW) reduction.**  
Many PDAMs have shown great interest in this program, which we have already begun in Medan and Malang to identify the main problems and possible interventions. This will be started also in Kota and Kabupaten Sukabumi and Kota Bandung in the next quarter. Furthermore in Kabupaten Purwakarta the first "sweeping team" proposal and subsequent tender to local university has been prepared for 30,000 connections (with 50% cost-sharing by the PDAM). The sweeping team activity is a door-to-door survey (for both customers and non-customers) on a variety of topics: water meter use and condition, tariff structure, alternative water source, potential for illegal connection or consumption, customer satisfaction, demand for new connections, and basic sanitation

facilities. Implementation will be done by local universities or other institutes (to be independent of PDAM employee influence) and the results can be used for tariff classification review, water meter replacement program, reducing illegal connections, connecting new customers, and the like.

- **Energy reduction**

Discussions with Watergy (US-based Alliance on Energy Saving) are ongoing to integrate their experience in reducing energy cost for Water Utilities in South and South-East Asia with the ESP program. Four pilot regions have already been identified: Balikpapan, Medan/Karo, Gresik/Sidoarjo and Bogor. The ESP Finance Team will support with financial analysis and identifying potential for financing of the investments.

- **PDAM training**

In this quarter three training sessions of two-weeks duration were conducted for PDAM strategic management. In total 84 senior and junior PDAM managers (including 1 woman participant and 5 women instructors) were involved. Locations were Bandung (for West-Java), Medan (for North-Sumatra) and Jakarta (National). In addition to this formal classroom training, ESP staff in West- and North Sumatra provide regular on-the-job training for small PDAMs, like Karo, Langkat and Solok.

- **PDAM training and capacity building in Aceh Province**

Two executive directors from PDAMs in Aceh (Aceh Besar and Aceh Barat) joined in the Jakarta strategic management training. Twelve staff, including director, from PDAM Banda Aceh have completed an exposure/study visit to PDAM Tirtanadi Medan. ESP provided both classroom and on-the-job training support for water quality improvement programs, including laboratory procedures and basic accounting & billing programs.

- **PDAM tariff review.**

Currently ongoing in PDAM Purwakarta (through the sweeping team program), PDAM Tirtanadi Medan (through the Corporate Plan program) and Aceh Besar (as part of the accounting program). Other locations will be selected in coming quarters.

- **PDAM IKK system improvement**

This program to optimize small, currently inefficient, branch systems of PDAMs was started in September with PDAM Kabupaten Malang (East-Java) and PDAM Karo (North-Sumatra). In the coming quarter two more PDAMs will follow, including Kabupaten Subang. These branch systems provide service to economically deprived, poorer communities and by lowering the overhead cost, PDAM can continue providing this service. In Kabupaten Batu, local communities already own and operate quite extensive piped network systems (called HIPPAM) and ESP is currently identifying ways to support these systems and facilitate a potential joint-venture between the HIPPAMs and PDAM Batu for the future sustainability of the systems.

- **GIS programs**

Introduction training of Digital Mapping, EPANET and GPS has begun in PDAM Tanah Datar (West Sumatra). GIS program input is also included in the “sweeping team” program explained above

- **Increase production capacity**

This program is a collaboration with the ESP Finance team and more details can be found in the finance section of this report. Activities are ongoing in following locations:



PDAM Subang itself; PDAM Subang with PDAM Kabupaten Bandung; PDAM Kota Bogor itself; PDAM Kabupaten Malang with PDAM Kota Sidoarjo. A further eight PDAMs within the ESP program joined in a one-week Water Treatment Plant Re-rating Training sponsored by USAEP. ESP enrolled 24 participants and supported their travel and accommodation costs. Re-rating of Water Treatment Plants will increase availability of water for improved service delivery.

The following activities are planned for the Water Supply component:

- **PDAM assessment.** Production and distribution of final report.
- **PDAM CP and CSS.** Continuation in 6 locations and start for PDAM Bogor (CP and CSS), PDAM Gresik (CSS) and PDAM Pasuruan (CSS).
- **Non-Revenue-Water (NRW) reduction.** Continue existing activities and adding subsequent “sweeping team” programs in Kota Bandung (130,000 connections, with 60% cost sharing by PDAM), Kota Banda Aceh (25,000 connections), Meulaboh (Aceh Barat), Malang, and Padang. In West-Java ESP will perform an NRW study in Kota and Kabupaten Sukabumi and also conduct study for a regional leakage team.
- **PDAM training.** Conduct strategic management training in East-Java (30 participants, early December) and Training of Trainers in PDAM Strategic Management for West-Sumatra (10 trainers). Also to prepare a pilot training program on staff motivation, with special interest in West-Sumatra (PDAMs Padang & Solok) and East Java (PDAMs Malang, Batu and possibly Surabaya).
- **PDAM IKK / HIPPAM systems.** Prepare and implement study how to support HIPPAM systems and how to link up with PDAM Batu network operation.



AGUS HERNADI, ESP SURABAYA/EAST JAVA

Field visit to one of the community based water supply system (HIPPAM) within the district of Batu, East Java. ESP is facilitating a relation between these systems and PDAM-Batu.

- **GIS programs.** To initiate GIS programs for PDAM Bandung, Subang, Kota Malang and Kab Sidoarjo through introduction training and exposure visit to reference PDAMs (Bogor, Jambi, etc) already implementing PDAM GIS systems.
- **Service provision to poor.** ESP will work closely with and provide technical assistance to PDAMs and communities, creating WIN-WIN solutions, whereby PDAM does not lose money and poor communities receive reliable water service at affordable cost. Also introduce the pre-paid water meter, in close collaboration

with manufacturer (Linflow-Bandung). Program will be started in Bandung, with over 800 public facilities registered (potentially covering 20,000 poor families).

- **Increase Production Capacity.** Continue supporting Feasibility Studies on increasing production capacity. A tender for hydrogeological studies in West-Java has been prepared and will begin in October 2005.

## TASK SD-4 SANITATION

During this quarter, much progress has been made in the major sanitation tasks:

- **City wide sanitation.** The successful multi-city seminar in Surabaya was followed by the signing of Letters of Intent (LoI) by five Local Governments (Kota Malang, Kab. Malang, Kota Surabaya, Kota Padang and Kota Bukittinggi) promising to establish an inter-departmental taskforce on sanitation, to link up with other stakeholders and to provide a cost-sharing budget for any construction activities. For Kota Surabaya ESP will assist in the establishment of the taskforce. In September, a follow-up road-show was started (ESP + BORDA meeting with Local governments) to discuss in greater detail the ESP sanitation strategy and to obtain commitment for cost-sharing for at least one Community Based Sanitation system to be constructed in 2006. Three of the above mentioned locations (2x Malang and Surabaya) were visited during this quarter.
- **Centralized Sewerage Systems.** A technical assessment of sewerage plans in Bandung and Medan was executed by Indah Water Konsortium (Malaysia) during July and report with recommendations circulated to respective locations. This will be combined with the results of the Comparative Study for all domestic centralized sewerage systems in Indonesia plus three systems for industrial and/or housing estates, which began in September. The study will be completed in December.
- **Community Based Sanitation (CBS) systems.** There is strong interest shown by 5 Local Governments to provide cost sharing (50%) for construction of CBS systems, using the BORDA design & contractor. Financial agreements for 6 CBS systems expected in next quarter. BORDA will be hired for community mobilization and training. Budget for this has already been agreed upon between ESP and BORDA.
- **Improved Sanitation systems for home-industry.** In Jakarta ESP has teamed up with Mercy corps to assess the possibility to install septic-tank system for poor community, which is engaged in production of tahu-tempe. Their raw water is from a black stream and initial field visits have indicated a possibility to recycle the waste water and utilize it for biogas-production. Same situation was found in poor community in Batu, East Java where most families are engaged in chicken slaughter activities, with the waste water and solid waste directly discharging in a stream, which feeds into the Brantas river. In the next quarter a pre-feasibility study will be made to examine the possibilities of intervention by ESP.
- **Septic tank sludge collection and treatment.** Both Municipalities of Bandung and Jakarta have shown great interest in improving the current inefficient system, whereby most septic tank sludge ends up in nearby rivers, not in the sludge treatment plants. Both cities have requested ESP to assist in developing a Public-Private Partnership to become responsible for sludge collection and/or treatment. This will begin in the next quarter.
- **National Coordination & Planning.** ESP Technical advisor has regular discussions with national agencies (Bappenas, WB, ISSDP) on approach, overlap, mutual support ; also mutual inclusion of locations for studies (ESP include 2 ISSDP locations in comparative study for WWTP ; ISSDP include 2 ESP locations in study on sanitation for poor). WB will mobilize a large grant from Global Environment Fund (GEF) for Surabaya sanitation and promised to link the implementation with the ESP sanitation mapping

program for Surabaya. In this way, a potential US\$5 million can be leveraged by ESP for Sanitation improvements for Surabaya.

- **Sanitation program (Aceh).** Identification mission for sanitation facilities in new settlement (270 houses) with UNICEF (Coca-cola) funding has just been completed. Report and further action in next quarter. In collaboration with the HSP project, the initial survey for 15 WATSAN facilities for local clinics (Puskesmas) is completed and is now in the stage of detailed design and costing. A large district-by district assessment on Water and Sanitation is being planned with BRR and will be funded by UNICEF and ESP on a 50-50 basis. Also for a district in Banda Aceh, Meraxa an integrated WATSAN program is under development.

The following activities are planned for the sanitation component in the coming three months:

- **City wide sanitation.** To complete the sanitation road-show to two remaining cities (Padang and Bukittinggi). Subsequently to conduct road-shows for Kabupaten Deli-Serdang and Kota Bandung to encourage Local Governments to participate in the ESP sanitation program.
- **Sanitation Mapping.** Preparation study for 6 locations has been developed and will be implemented between November and January 2006, by ESP resource firm, BORDA. Results will be discussed with respective Local governments and plans for full scale sanitation mapping agreed upon by all stakeholders. Local Governments will provide all baseline data and digitized maps of suitable scale. ESP Finance Team will support with the necessary financial expertise. ESP GIS team will support with the digitized data and mapping programs.
- **Comparative study for Domestic Sewerage systems.** To be completed in December and results will be discussed during nation wide seminar, planned for January 2006.
- **Exposure visit.** To support, in line with work plan, 12 members of Local government sanitation taskforces from three municipalities + Province in East Java to Malaysia. This is essential part of capacity building to create committed Local Governments, who are exposed to improved sanitation systems.
- **Community Based sanitation systems.** Prepare Financial Agreements with 6 Municipalities and prepare ESP cost-sharing budget for six CBS systems. Also to complete activities with WPL and TARKIM for two CBS systems in Kabupaten Bandung.
- **Improved Sanitation systems for home-industry.** Develop action program with Mercy Corps in Jakarta and for prepare Feasibility study for Temas village in Batu, link it with possible “small grants” support.
- **Septic tank sludge collection and treatment.** Prepare and start studies for municipalities of Bandung and Jakarta with regard improvement of sludge collection and treatment systems, to be followed by nation-wide seminar. Include identification of training and other capacity needs for operators of sludge treatment systems.

## TASK SD-5 SOLID WASTE MANAGEMENT

During this quarter the following progress has been made in the major solid waste tasks:

- **Solid Waste Case studies.** The four individual case studies have been completed (Kota Tangerang, Kota Balikpapan, Kota Surabaya, Kabupaten Bandung); The comparative analysis and final report will be completed in October.
- **Community Based Solid Waste with JBIC (North Sumatra).** First pilot location selected (Kabupaten Deli Serdang) and household survey conducted; results show that 80% of households regularly dispose of their solid waste in the river, but are interested to discuss alternatives. MoU and action plan completed between USAID and JBIC (the Japan Bank for International Cooperation). USAID/ESP currently considering second pilot location within municipality of Medan.
- **Community Based Solid Waste (East Java).** ESP East Java office has developed an integrated activity centered around improvement of solid waste management systems in poor urban area in Surabaya named Wonokromo. In this location ESP will facilitate joint activities of Local Government, Local NGO's, community and the Private Sector (especially Unilever). An initial community health & environment needs assessment has already been conducted. This was followed in September with a participatory workshop with 125 participants, of which 47 were women. Environment Cadre training, raising awareness on paradigm change, has just started for 59 community members (majority female), who will formulate the pioneer solid waste management system. A link is already made with Health & Hygiene campaigns in Wonokromo and in the coming quarter(s) the programs in Wonokromo will be expanded with CB sanitation, water supply programs and possibly other USAID programs, such as HSP.



RISTINA ASPRILLA. ESP SURABAYA/EAST JAVA

Current condition in Wonokromo kampung in Surabaya, with combination of solid waste disposal in stream and sanitation facilities directly above stream.

- **Sanitary Landfill Training.** This was conducted by the Office of Surface Mining from USA from 5 – 15 September 2005 in Surabaya. Twenty Participants (seven women) came primarily from Local governments in East Java, but also two persons from Padang and Medan. The training provided planners and designers of sanitary landfills the geological factors affecting slope stability and foundation preparation techniques for creating stable landfills. The class also covered surface and groundwater hydrological factors affecting slope stability and techniques to mitigate potential pollution.
- **Solid Waste Activities (West Sumatra).** ESP team has conducted several field visits and meetings with Local Government of Kabupaten Tanah Datar to investigate the possibility to support with solid waste improvement program for local public and cattle

market. A pre-feasibility study will be completed in October to determine ESP's possible role for this activity.

- **Solid Waste activities (West Java/ Jakarta).** Discussions have been started with Local Governments of both Kabupaten Cianjur and Kabupaten Subang and both have expressed a strong interest. For Cianjur a draft proposal is currently under review. A proposal by Yayasan Emmanuel for small grant on solid waste and water supply improvement and was reviewed, but will require further discussion, before a formal funding request can be made.
- **Collaboration with Mercy Corps.** In collaboration with Mercy Corps (lead partner) a concept note has been developed for a call for proposal by IDRC, a Canadian research institute, for innovative and integrated environmental activities in an urban slum in South-East Asia. A district in North Jakarta has been selected by Mercy Corps and ESP has provided technical advice and facilitated meetings with Government officials. Other partners in this are URDI and Swisscontact. If the concept note is accepted by IDRC a proposal will be prepared in the next quarter for US\$ 1 million grant funding.

The following activities are planned for the sanitation component in the coming three months:

- **Solid Waste Case studies.** To complete case studies, comparative analysis and disseminate.
- **Sanitary Landfill Training.** There is a request from Provincial Government of Jakarta to support landfill operators with basic landfill training.
- **Solid Waste programs for East-Java and North-Sumatra.** Continue activities with local communities.

## TASK SD-6 BEHAVIORAL CHANGE INTERVENTION

This task is very much a cross-sectoral, integrated task with other programs of the Basic Human Services. Over the long term, this will include point-of-use water treatment, safe water storage,

### Hand Washing Campaign

ESP through H&H communications is aiming to reduce infant diarrhea rate and mortality of under five years old children in Indonesia. H and H effort for shifting behavior of the community to clean and healthy live applying social marketing and behavior change communication. The critical issue is risk behavior to contaminate bacteria that will affect to common diseases.

As the initial activities of shifting behavior to clean and healthy live is hand washing as the main factor of risk behavior. Based on the experience of focus groups discussion, hand washing is the main factor and be followed by safe stool disposal, water treatment and solid waste disposal. In addition, hand washing campaign is the most important to be deliver as the first step of H and H communication.

In cooperation with local partner, ESP currently run the hand washing campaign in East Java and West Java. Involvement of Indonesia Ulama Council (MUI) has been part of the strategy

to implement the campaign in the East Java Region (Malang and Surabaya) The campaign will run from September 2005 – January 2006. Several media coverage delivered after program launch in Surabaya, conveying positive support from MUI toward the campaign.

Whilst in West Java, ESP focused on 2 areas, Padalarang (Bandung District) and Tamansari (City of Bandung) where the primary target will be the mothers and caretaker for children under 5 years old. Local partner, Kuis Jawa Barat will implement the program from September – December 2005.

## SECTION 2.3

# MUNICIPAL FINANCE COMPONENT

### INTRODUCTION

During this reporting period, the ESP Finance Team was able to fill out the remaining long term professional staff positions. This expands greatly both the amount of work and the coverage that this team is able to perform and/or supervise. Highlights of the quarter's activities are included in the following sections.

### TASK FN-0 ORGANIZE MUNICIPAL FINANCE OFFICE

- The team now has a full staffing complement with the addition of Nugroho Andwiwinarno and Benny Djumhana, respectively on 18 July and 16 September 2005 - and its basic organization, structure and working modality having been set.

### TASK FN-1 ASSESS COMMUNITY WILLINGNESS TO PAY FULL COST RECOVERY TARIFFS

- The Finance Team during this quarter has formally committed to assist 5 PDAMs prepare tariff petitions to accommodate capital expenditure programs that include mobilization of commercial finance – and, as a consequence of this dual emphasis, improve access to commercial finance (Task FN3), described further below.
- With regard to preparation of tariff petitions and/or tariff advocacy, a total of 7 scopes of work are now being carried out;

### TASK FN-2 BROADEN AND DEVELOP SUPPORT FOR RESOLUTION OF SPECIALIZED POLICY ISSUES

- The Finance Team has identified 4 areas which urgently require policy emphasis, namely:
  - a) past due obligations owed to MOF;
  - b) gaps in the regulation of provincial utilities;
  - c) lack of sustainable sources of commercial finance in water sector; and
  - d) gaps in legal framework - with emphasis in this case on issues that impede the mobilization of commercial finance.

### TASK FN-3 ENSURE ACCESS OF COMMERCIAL FINANCE TO WATER SECTOR

- Five separate types of initiatives have been launched:
  - a) Mobilizing corporate finance for PDAMs to finance new sources of water supply, systems expansions or rehabilitation – with about Rps 300 billion in projected new facilities wrapped into the ongoing STTA mentioned earlier;

- b) Examining possibility of creating new institutions currently absent from the sector to ensure the sustainability of finance e.g., Water Revolving Fund and the Specialized Finance Company – with Concept Studies ongoing for both;
- c) Approaching municipalities to determine interest in issuing municipal bonds to finance significant initiatives in environmental sector – with first such offer of STTA formally by Walikota in Balikpapan;
- d) Developing tools with which to recruit banks to offer micro-credit facilities to the water utilities, thereby assisting in expanding service delivery, particularly to the poor; and
- e) Developing a sanitation mapping concept paper with reference to Surabaya in collaboration with SDT, designed to interest the World Bank and Asian Development Bank to work together to co-finance implementation of findings in a number of cities in High Priority Provinces. In such efforts, FNT would address possibility of creating public private partnerships, particularly for industrial wastewater treatment facilities.



## SECTION 2.4

# PROGRAM MANAGEMENT

### INTRODUCTION

The final quarter of Program Year I (July –September 2005) represented a turning point for tasks under the Program Management component. With much of the critical program infrastructure established during the open 6 months, ESP staff members were able to devote increasing attention to initiating “long-term” Program Management Activities. Important advances, for example, were made in areas such as program outreach and communications as well as the small grants program. Additionally, ESP took an important first step towards increasing the incorporation of gender issues into program activities in the form of a comprehensive gender needs assessment. Such advances ensure the continued expansion and impact of program activities as ESP enters the second program year.

### TASK PM-1 MOBILIZATION

While the majority of start-up activities were completed during the first 6 months, a limited number of mobilization tasks continued into the reporting period as ESP sought to increase its presence in Aceh as well as in communities outside the provincial capitals.

- **Human Resources.** ESP continued to add expertise to the team across the regions. In the Jakarta National Office, for example, two additional financial analysts joined the Environmental Finance Team and a Communications Specialist was hired to oversee program communications efforts. Additional hiring was the most prevalent, however, in the ESP Aceh Office where new hires included a Community Development Support Specialist, a Regional Accountant, and two Water and Sanitation Specialists.
- **Information Technology.** September marked the completion of a wireless land area network in the ESP office in Banda Aceh. This will greatly improve communications with the Aceh Team, and permit access to ESP’s Technical and Administrative Management Information System.
- **Subang and Cianjur Guest Houses.** In order to increase ESP’s presence in West Java as well as facilitate easier access to provincial communities, ESP opened two small “guest houses” in Subang and Cianjur. These houses provide a base for ESP staff working in the smaller population centers of West Java. In addition to saving time traveling in and out of Jakarta, the Subang and Cianjur guest houses also provide a cost effective alternative to hotels.

### TASK PM-2: PROJECT IMPLEMENTATION AND REPORTING

Task PM-2 consists of regular management and reporting activities that will take place for the duration of the Program. Prominent examples of activities during the reporting period are as follows:

- **BiMonthly Electronic Updates.** ESP continued its practice of issuing program activity updates every two weeks. Initiated in May 2005, these internal newsletters

help keep all regional staff and partners informed of program activities. ESP expanded the distribution of the BiMonthly updates during this quarter to include key external partners as well.

- **USAID Project Coordination Meeting.** In August ESP initiated the practice of holding a monthly coordination meeting with other USAID projects. The intention of this meeting is to provide a venue for COP's to compare notes and discuss such items as project site locations, upcoming significant activities, potential for collaborations, and operational issues. While the first meeting was hosted at ESP's office in Ratu Plaza, the location will rotate around project offices. The second meeting, held in mid-September, was hosted by the Safe Water Systems Program.
- **ESP Advisors Meetings.** Each quarter ESP holds a management meeting attended by the COP, DCOP, Operations Manager, Regional Advisors, and Technical Advisors. The quarterly management meeting acts as a forum to discuss recent activities, review policies and procedures, share strategies, and plan future events across the regions. This quarter's Advisor's Meeting was held in ESP/Jakarta in the beginning of August.
- **Administrative and Operations Workshop.** In late September ESP held its first Administrative and Operations Workshop at ESP/Jakarta. Attended by ESP administrative and support staff from around the regions, the purpose of the event was to review ESP's operating policies and procedures, obtain feedback regarding the strengths and weaknesses of current operations, develop recommendations for improving the ESP Operations Manual, and promote teamwork across all ESP offices.

### TASK PM-3 SMALL GRANTS PROGRAM

The Small Grants Program progressed in all high priority provinces during the final quarter of Program Year I. ESP received a total of 16 proposals from local non-government organizations residing in the ESP high priority provinces. Of the proposals received, four were ultimately recommended for ESP funding and subsequently approved by USAID. The anticipated total funding allocation for this fiscal year is \$65,000.

The approved proposals—three of which are from North Sumatra and one of which is from West Java—represent innovative initiatives that align with ESP's overall scope of work. The topics of the respective grants include health and sanitation issues in urban poor areas, degraded and critical land areas and strategies for reforestation, and ecotourism mapping. In the latter example, the grantee will create a map of the existing trekking paths surrounding the Gunung Gede Pangrango National Park that can be used as a basis for park zoning.

In addition, a number of concept papers submitted by NGOs from West and East Java are presently under review. ESP anticipates that a large percentage will be able to proceed with a full proposal in the near future.

### TASK PM-4: PUBLIC OUTREACH AND COMMUNICATIONS

Task PM-4 consists of activities devoted to influencing behavioral change to meet program objectives as well as communicating program results, best practices, and lessons learned.

- **ESP News.** This quarter marked the launching of ESP's monthly electronic newsletter, "ESP News." The purpose of ESP News is to provide our partners with information regarding program activities as well as other news on environmental services management issues in Indonesia. ESP released both the August and September editions of the newsletter this quarter.

- **Outreach Materials.** ESP completed a first round of program fact sheets in both Bahasa Indonesia and English that describe ESP, the technical components, and specific initiatives in the HPPs.

- **Website Development.** ESP contracted with a local service provider to begin the development of the ESP website. The website will be fully operational by the middle of the next quarter.

- **Multi-Media Campaigns.** In September ESP launched its first multi-media campaign, "Water is Life" in its High Priority Provinces (HPP) of East Java, West Java, West Sumatra and North Sumatra. Regular multi-media campaigns are implemented in partnership with local media and NGOs in each HPP capital on a bi-monthly basis. Messages of ESP and USAID/BHS partners are conveyed through these regular campaigns that communicate information and 'calls for action' through a range of electronic, print and community-based media.

- **Journalist Training.** As part of ESP's strategy to increase the coverage of environmental and health issues in the media, a two day journalists training and community immersion were held in Berastagi, North Sumatra. The training was attended by 20 local journalists.



## TASK PM-5 GENDER

In August ESP took an important step towards the improved mainstreaming of gender issues into program activities in the form of a gender needs assessment. Led by Nancy K. Diamond of ESP partner Social Impact, the Gender Needs Assessment Team visited four of the High Priority Provinces: Aceh, North Sumatra, West Java and East Java. The team gathered information through a variety of means, including:

1. Meetings with ESP staff from different ESP offices (Jakarta, Aceh, North Sumatra, East Java) as well as staff from different project divisions (watershed management, service delivery, and municipal finance);
2. Meetings with ESP NGO partners in West Java and East Java Provinces;

3. Discussions with gender experts and ESP potential partners in Jakarta, Aceh, North Sumatra, East Java, and West Java; and
4. Group discussions with seven (7) community groups in urban and rural areas scattered within four (4) provinces.

As a result of extensive interviews, meetings, and focus group discussions, the team identified relevant gender issues that need to be considered in the implementation of ESP. Important opportunities identified by the team included building the capacity of ESP staff members in gender-related issues, reviewing ESP internal policies and procedures, capturing gender

information in ESP's program database, conducting gender mainstreaming training, improving options for baseline surveys, enhancing gender mainstreaming into grant and sub-contract mechanisms, campaign projects, change in health and hygiene behaviors, as well as in participatory watershed management planning.

Looking forward, ESP will establish a Gender Core Team as well as conduct a refresher course for all ESP staff members on gender issues within the following six months.



ALIFAH SRI LESTARI, ESP JAKARTA/WEST JAVA

Members of one of the gender focus group discussions joined by children from the surrounding community. Two members of the Gender Assessment Team – Nona Pooroe Utomo (in red at left) and Nancy Diamond (in black at far right) – are also pictured.

## TASK PM-6 GEOGRAPHIC INFORMATION SYSTEMS

The utilization of geographic information systems (GIS) to analyze data and display the work of ESP represents an important part of the overall program approach. Key accomplishments during the reporting period include the following:

- **ESP Atlas.** The GIS Team made significant progress in compiling an atlas of ESP priority regions. Specifically, a set of reference maps was created for Aceh Province, North Sumatra, West Sumatra, West Java/DKI Jakarta, and East Java. Each set includes the following six maps:
  - » Map 1: Physiography and Watershed Area Boundaries;
  - » Map 2: Watershed and District Area Boundaries;
  - » Map 3: General Land Use and Protected Areas;
  - » Map 4: Population Distribution and Poor Households;
  - » Map 5: Fatality Rate due to Five Primary Diseases;
  - » Map 6: Priority Areas for ESP Activities.

The set of maps for Aceh also includes a map illustrating the tsunami affected regions.

- **Technical Support.** The GIS Team continued to provide technical support to the regional offices and the component teams. The Team supported community mapping activities, for example, in watersheds in North Sumatra, West Sumatra, East Java, and West Java. Additionally, the GIS Team began trainings in basic GIS utilization for a PDAM in West Sumatra.

## **TASK PM-7 PROGRAM MONITORING AND EVALUATION**

During the final quarter of Program Year I ESP continued to refine its performance monitoring plan (PMP) as well as assist in the design of the broader Basic Human Services (BHS) baseline household survey. Regarding the ESP PMP, in August 2005 ESP received the BHS performance monitoring plan from USAID. Following the receipt of this document, ESP reviewed its key program-level indicators to ensure that they fit within those stated in BHS PMP. In addition, ESP continued to improve the ESP PMP by simplifying presentation, eliminating a layer of detail, and completing the final set of indicators for Component 3 (Environmental Services Finance).

In support of the broader BHS monitoring and evaluation effort, ESP also joined with other BHS partners to develop the BHS baseline household survey. The survey covers such topics as maternal, neonatal and child health (MNCH), environmental health, water supply, sanitation and hygiene, and nutrition indicators. Progress made during the reporting period included the development of questionnaires, the procurement of services of a third party to conduct the survey (presently in the final step of selection), and a pre-test of the questionnaire.

## **UPCOMING EVENTS AND ACTIVITIES IN PROGRAM MANAGEMENT**

- Submission of First Year Annual Report
- TAMIS Customization and Training in Jakarta and Aceh
- GIS Assessment
- ESP Website Launching
- Submission the draft #2 of PMP document to BHS USAID
- Implementation of the BHS baseline household survey
- Preparation of formative research for ESP program components



## SECTION 3

# ACEH PROGRAM UPDATES

### INTRODUCTION

On September 29, 2005, USAID/Indonesia modified the contract of Development Alternatives, Inc. to officially add work tasks and funding to provide Environmental Services Program type assistance to Nanggroe Aceh Darussalam Province. As mentioned earlier, ESP had already been working in Aceh since February 2005, and with this Modification No. 2, ESP now had additional funds for this work as well as official contractual authority to be undertaking such work in Aceh. From this report forward, separate reporting of activities in Aceh will be include in this report.

Although detailed work plan development in response to the award of the modification will be done in the coming quarter, we will in this report describe the work and preparation which has been accomplished to date by ESP in Aceh.

In this Section, we present a detailed account of the Program's activities and achievements in Aceh during this quarter.





## SECTION 3.1.

# WATERSHED MANAGEMENT & BIODIVERSITY CONSERVATION

## INTRODUCTION

During this reporting period, Watershed Management & Biodiversity Conservation component activities in Aceh focused on site selection and initial development of multi-stakeholder watershed management forums for both planning and management activities. ESP is focusing primary attention on the Krueng Aceh watershed, as it is the most important raw water source for Banda Aceh, as well as a number of smaller watersheds along the Banda Aceh-Meulaboh road corridor. ESP plans to significantly step-up Watershed Management & Biodiversity Conservation activities in Aceh, particularly along the road corridor, in the next Quarter.

## TASK WS-I DEVELOPMENT OF WATERSHED MANAGEMENT PLANS

- **Site Selection & Watershed Mapping.** Watershed Management Activities in Aceh have taken place in two major areas, the Krueng Aceh catchment area and the catchment areas of the west coast.
  - » In the major watershed of the province there are five sub-watersheds that ESP is focusing on: Krueng Aceh Hilir (1), Krueng Jreue (2), Keumireu (3), Seulimum (4) and Krueng Inong (5). Along the west coast there are a large number of small contained watersheds extending down to Meulaboh. Only Kreung Geupu in Aceh Besar has been scoped (below). Up to four more watersheds will be selected along the coast. Possibilities include Krueng Lambeso (Lamno), Krueng Sabe Calang and Krueng Meureboh (Meulaboh). The Krueng Aceh watershed is the source of water for Banda Aceh. The watershed has been illegally logged, poorly farmed and generally misused. While little factual data is available, anecdotal data tells of increased flooding during the wet season and decreased availability of water in the mainly spring fed village water systems during the dry season. The Krueng Aceh is historically, politically and socially important.
  - » Kreung Geupu provides an example of what is found along the west coast. There is a village at the mouth of the river, Leupueng. Ten percent of the village, some 300 people, survived the tsunami. Prior to the tsunami their livelihoods were based on aquaculture, farming and illegal logging. The village was quite well off financially and this was because of the illegal logging and aquaculture. Residents are returning to illegal logging. The aquaculture ponds have not been rebuilt. Housing will be rebuilt by NGOs. Krueng Gepu offers an opportunity for an integrated approach for the whole ESP program. Other watersheds on the west coast are being surveyed. Among these potential sites are the Krueng Lambeso at Lamno, the Krueng Sabe at Calang and the Krueng Meureboh at Meulaboh. Final selections will be made based on opportunity for integration of total ESP programming in a watershed.
- **Watershed Management Forums.** Efforts to organize a watershed forum for the Krueng Aceh began in August of 2005. Initial meetings were held separately

with relevant government offices and NGOs. Potential sub-watersheds were identified for further study. Community leaders from these sub-watersheds were brought together to discuss their involvement in a watershed forum as well as to discuss local issues relevant to a watershed forum. The final step in the process will take place in November with the conclusion of local initial surveys and sub-watershed meetings to determine potential activities for the watershed forum and a final meeting to formally establish the forum. Government participants in the establishment of the forum include: Environmental Protection Agency, Forestry, Conservation, and Agriculture. NGOs involved include: MAPAYAH, YEA, Panorama, WALHI, JKMA, EKONA, PeNA, YPSN. Community leaders from Indrpuri and Kuta Cot Glie also took part.

- **Prepare Watershed Management Plans** A set of concepts for studies related to water resource protection and watershed management were produced as the result of a scoping study in August. These will be incorporated into watershed management plans, and include:
  - » **Hydromet Monitoring** – Meteorological and hydrologic data for water management is lacking in the region and data collection needs to be improved. Kreung Gepu will be studied.
  - » **Hydrochemical Evaluation** – Understanding the impact of the tsunami and land use on water chemistry of rivers in the region is important for decision taking and policy setting. This will be done in the Kreung Aceh.
  - » **Water Balance/ Water Supply Evaluation** - Lack of data and information on water balances in watersheds makes it difficult to develop and forecast long term water supplies. Pulau Wei will be the site of this study. The compromised drinking water system on the island needs thoughtful examination in the context of demands that will be placed on the system and its resources.
  - » **Water Resource Protection** - After the tsunami, water supply systems were disrupted. Numerous wells were drilled and springs were developed for water supply. Understanding and protecting these supplies is imperative to meet long-term water supply demands. This activity would develop protection zones for springs on the west coast and provide guidance to expand the spring protection program for the entire region. The activity would be designed to work with UNICEF, PDAM, BAPEDALDA, as well as NGOs who are currently working in spring development along the West Coast in areas such as Calang.
  - » **Groundwater Management Model** - Currently groundwater is a primary source of water for the Kr. Aceh basin. Understanding the flow characteristics of aquifers supplying water is an important aspect for long-term water supply planning.
  - » **Spring Development & Watsan Planning** - Springs are a major source of water supply in the region. However, the development of springs and distribution is often haphazard and needs improvement. This program would develop:
    - » WATSAN Planning for the development of springs in small communities.
    - » Working in the communities of Lhoknga, Leupung and Lamno on the West Coast, a template for a WATSAN Plan for the development and distribution of water from the Mata le and Glee Taron Springs would be developed.
    - » Work with community leaders for alternative financing of design and implementation of the water and sanitation systems.

## SECTION 3.2

# ENVIRONMENTAL SERVICE DELIVERY COMPONENT

## INTRODUCTION

Due to the immediate needs of water supply, wastewater treatment and sanitation for displaced people in the tsunami-affected areas of Aceh for people moving back from Temporary Location Centers to resettlement areas, this component of ESP takes on great importance. For the past six month, various tasks have been undertaken in Aceh based on the original ESP work plan, which was not Aceh-specific but ESP-specific.

Nevertheless, great progress has been made under the trying conditions of the ESP office, the IT network and internet access in Aceh being under development. Without all of these systems in place, it was difficult to manage multiple tasks. Toward the end of this quarter, the Banda Aceh office of ESP is fully operational and rapidl

## TASKS SD-1, SD-2 AND SD-3 WATER SUPPLY

The major activities of the Service Delivery Team regarding improved water supply during this during this quarter were as follows:

- **PDAM training and capacity building in Aceh Province.** Two executive directors from PDAMs in Aceh (Aceh Besar and Aceh Barat) joined in the Jakarta strategic management training. Twelve staff, including director, from PDAM Banda Aceh have completed an exposure/study visit to PDAM Tirtanadi Medan. ESP provided both classroom and on-the-job training support for water quality improvement programs, including laboratory procedures and basic accounting & billing programs.
- **PDAM tariff review.** ESP received an urgent request from PDAM Aceh Besar to assist them in reviewing and setting a an appropriate tariff in anticipation of restarting services and billing operations. This work was added on to the accounting training ESP was providing the PDAM.
- **GIS programs.** ESP provided a GIS Specilaist to work in the Banda Aceh office in support of the Hydrogeological work which was conducted in September. A wealth of information has been acquired and will be synthesized in the coming quarter.
- **Non-Revenue-Water (NRW) reduction.** In accordance with the NRW program for this project, PDAM Meulaboh (Aceh Barat) will benefit from the study to be conducted in the coming months. A staff house and office are being located in Meulaboh from which to work.

## TASK SD-4 SANITATION

During this quarter, much progress has been made in the major sanitation tasks:

- Identification mission for sanitation facilities in new settlement (270 houses) with UNICEF (Coca-cola) funding has just been completed. Report and further action in next quarter.

- In collaboration with the Health Services Program (HSP), the initial survey for 15 WATSAN facilities for local clinics (Puskesmas) is completed and is now in the stage of detailed design and costing.
- A large district-by district assessment on water supply, wastewater collection and treatment, solid waste and drainage is being planned at the request of the BRR and will be co-funded by UNICEF and ESP on a 50-50 basis.
- For a district in Banda Aceh, Meraxa an integrated WATSAN program is under development.

### **TASK SD-5 SOLID WASTE MANAGEMENT**

In solid waste management in Aceh, ESP will be supporting resettlement communities in their spatial planning, which will include determining the most suitable locations for solid waste landfill activities for communities. In some instances, ESP will assist villages and communities in preparing a solid waste management plan, and in educating the communities regarding sanitation issues related to improper disposal of garbage. These tasks are set to be developed and executed in the next quarter after the development of the work plan for Aceh.

### **TASK SD-6 BEHAVIORAL CHANGE INTERVENTION**

This task is very much a cross-sectoral, integrated task with other programs of the Basic Human Services. Over the long term, this will include point-of-use water treatment, safe water storage, hand-washing with soap, water conservation, and numerous other themes. Currently, as part of the emergency response effort, many NGOs are working on behavior change issues, and ESP plans to determine where there may be missing links or underserved locations during the upcoming work planning process.

### SECTION 3.3.

## MUNICIPAL FINANCE COMPONENT

### INTRODUCTION

Nanggroe Aceh Darussalam is not currently in the same situation as other provinces in Indonesia with regard to the need and/or ability of the local water companies or local governments to generate financing. Most improvements in the tsunami-affected areas will involve grant or donor facilitation. In accordance with modification no. 2 incorporating Aceh as an ESP province, the nature of the task will include:

- Leveraging private sector funding for water and sanitation improvements or related interventions;
- Micro-credit programs for financing connections to systems, or WATSAN service provision where not currently served; and
- Developing financing for conservation and rehabilitation of protected areas, forest areas of high biodiversity value, wetlands, coastal and coral reef areas.

To date, and more related to the Service Delivery Component, ESP has assisted PDAM Banda Aceh and PDAM Aceh Besar in re-establishing, training and upgrading their accounting departments, thus beginning to strengthen the financial position of the PDAMs. Further work in the finance sector will be delineated in the coming quarter with the development of the Aceh First Annual Work Plan.

## SECTION 3.4.

# ENVIRONMENTALLY SOUND DESIGN AND IMPLEMENTATION

## INTRODUCTION

This component of ESP work in Aceh is entirely new with modification no. 2 and had not yet been programmed as of this quarter. However, since mobilizing to Aceh and beginning work with the PDAMs and with local resettlement communities, ESP has been aware of the need for environmentally sound design practices and for initial environmental examinations for USAID-funded improvement projects. To this end, one of ESP's WATSAN Engineers, Pak Suhendi, was selected for his background and expertise in environmental assessments.

Additionally, ESP has assured the HSP project that wherever there may be a need in one of their health intervention improvements, e.g. with the Puskesmas, the ESP project will assist them by preparing an IEE for that location, if one is warranted by the regulations.

The work of ESP in Aceh in the area of Environmentally Sound Design and Implementation Component in Aceh will mainly focus on the following three areas:

- Spatial planning and community participatory processes;
- Use and dissemination of environmentally sound design practices;
- A clearing house for timber and alternative building materials monitoring.

## SECTION 3.5.

# PROGRAM MANAGEMENT

## INTRODUCTION

ESP has already made significant progress in activities related to Program Management during this past quarter resulting in a solid foundation of program infrastructure, partnerships and networks, and initial field activities. The primary regional office in Banda Aceh is now established and fully functional, while a Meulaboh office was recently identified and is expected to be functional in the coming quarter. Program staffing is also proceeding at a rapid pace, with only a few of the long term positions remaining to be filled.

With mobilization nearly complete, activities under Program Management during the coming period will focus on the following priorities:

- Establishing robust communications and reporting systems.
- Hire and train dedicated communications specialist to document program activities and successes in Aceh.
- Initiate ESP Small Grants and Subcontracts Program.

Task delineation in accordance with the modification request and the mod proposal will include the following tasks:

Task PM-1: Mobilization

Task PM -2: Project implementation and reporting

Task PM -3: Small grants program

Task PM -4: Public outreach and communications

Task PM -5 Gender

Task PM -6: Geographic information systems

Task PM -7: Pprogram monitoring and evaluation





## SECTION 4

# PROJECT MONITORING & EVALUATION

### INTRODUCTION

This section contains a chart listing the major components of the Environmental Services Program, along with progress to date against the indicators and first year targets for those indicators, as per the ESP *Performance Monitoring Plan*. The ESP PMP is about 90% complete, but will remain in a draft stage until the HSP and SVS programs complete their baseline surveys, which will impact ESP Work Plan Task SD-6, Behavior Change Intervention. We anticipate being able to finalize, produce and distribute this document by the end of the next quarter.

The following pages contain charts describing the major tasks, indicators, first year targets, and progress to September 30, 2005 for each of the major components of the project, namely:

- **Program Management (PM);**
- **Watershed Management and Biodiversity Conservation (WS);**
- **Environmental Service Delivery (SD) and**
- **Environmental Services Finance (FN).**

Please note that as of the end of this quarter, ESP has received Modification No. 2 which spells out clear tasks and expected outcomes for the Aceh-related work, however, the Work Plan and PMP for this work will be delineated early in the coming quarter (by end October 2005).



# ESP PROGRESS BASED ON PMP

PERIOD: JULY – SEPTEMBER 2005

## Component: Project Management

Task	Indicator	First Year Target	Progress
1. Leveraging other financial support for Environmental Services Program	Level of funding to support ESP activities	N/A	ESP has leveraged significant financial and technical support from government agencies, other donors and the private sector.
2. Collaborative programs to support the Strategic Objective (SO) of Basic Human Services (BHS)	# of integrated activities between ESP and other USAID Programs	Two (2) activities conducted jointly by ESP and other USAID partners	Exceeded target. ESP has established 3 collaborative activities with USAID partners including HSP, SWS and DAP partner Mercy Corps.
3. Public Outreach and Communication	<ul style="list-style-type: none"> <li># of campaigns supported by ESP</li> <li># of campaigns supported by ESP partners/stakeholders</li> <li># of communities covered by campaigns</li> </ul>	<ul style="list-style-type: none"> <li>Eight (8) campaign supported</li> <li>Four (4) campaign supported by ESP partners/stakeholders</li> <li>Twenty four (24) communities expose to campaign (campaign coverage)</li> </ul>	<p>Reached Target: 4 Multi-media Water is Life Campaigns and 4 Handwashing with Soap Campaigns.</p> <p>Reached Target: 5 watershed management forums with communication campaigns; 3 communications campaigns in Subang, Bandung and Deli Serdang with local participation.</p> <p>Exceeded Target: More than 100 communities in ESP program either directly exposed to campaigns, or stakeholders recipients of ESP News and other materials.</p>
4. People participation in the ESP trainings and workshops	# of people participate in ESP training and workshop	One thousand (1,000) people trained	<p>Target exceeded: Total 2,794 people</p> <p>Workshops - 1,846 people (F 462, M 1,384)</p> <p>Training - 948 people (F 297, M 651)</p>

<b>Component: Watershed Management and Biodiversity Conservation (WS)</b>			
<b>Task</b>	<b>Indicator</b>	<b>First Year Target</b>	<b>Progress</b>
WS1 – Development of WSM Plans	# of WSM plans actually have funds for implementation	Eight (8) WSM plans developed and functioning	Reached Target. ESP has facilitated the establishment eight (8) multi-stakeholder watershed management forums, watershed management plans are being developed, and field activities are underway.
WS2 – Implementation of WSM Plans	# of WSM plans implemented by stakeholders	Eight (8) WSM plans are implemented by stakeholders	Reached Target. Eight (8) plans under development; field activities in 100 communities.
WS3 – Scale up and Achieve National Impact	# of policy for integrated WSM	Scale-up and achieve national impact	Reached Target. ESP is engaged in national-level policy discourse, and influencing WSM policy in Ministry of Forestry and Ministry of Environment.

<b>Component: Service Delivery (SD)</b>			
<b>Task</b>	<b>Indicator</b>	<b>First Year Target</b>	<b>Progress</b>
SD1 – Improve PDAM technical, operational and financial management	# of PDAMs with improved technical and operational management	10 (30 over project life)	Target Reached. TCAs/MOUs signed with 10 PDAMs. Direct work with 22 PDAMs. Training for 84 PDAM managers.
SD2 – Increase PDAM with improved financial position	# of PDAMs with improved financial position	5 (30 over project life)	Close to Target, achieving success with 4 PDAMs.
SD3 – Access to Clean Water	% of household/population that practice clean water management, which includes improved water source, quantity, safe storage and treatment	The target for the life project to determined after situation analysis and baseline survey is conducted, +HSP & SWS.	Baseline not yet established. Significant progress being made, with PDAMs as well as with urban communities.
SD4 – Increase access to improved Sanitation System	# of improved sanitation system develop and implemented	8 (20 CBS & 5 sewerage systems over project life)	Close to target. 2 CBS systems under construction (with WPL); Letters of Interest with 5 local governments; On-going TA.
SD5 – Increase use of community - based solid waste system	# of improved community-based solid waste system in place	4 (10 over project life)	Close to Target. 4 case studies completed; progress in Medan on joint USAID-JBIC project; field surveys complete; joint collaboration with Mercy Corps and IDRC.
SD6 – Behavior change intervention	Proportion of household that adopted health and hygiene practices	The target for the life project will be determined after situation analysis and baseline survey is conducted, with HSP & SWS.	Baseline not yet established. Significant progress being made, as demonstrated by hand washing with soap health and hygiene campaigns in 4 HPPs.

<b>Component: Environmental Services Finance (FN)</b>			
<b>Task</b>	<b>Indicator</b>	<b>First Year Target</b>	<b>Progress</b>
FN1 – Assess Community Willingness to Pay Full Recovery Tariffs	# of PDAMs have strategy to improve community willingness to pay full recovery tariffs	<ul style="list-style-type: none"> <li>0 PDAM's to operate on full recovery basis first year (30 over project life)</li> <li>1 project that will rely on DCA for mobilizing commercial finance (10 over project life)</li> </ul>	<p>No Target this reporting period. Strong foundation established for achieving long-term Targets.</p> <p>Progress being made, with work on-going.</p>
FN2 – Broaden and develop support for resolution of key issues	# of PDAM undertake initiatives to improve credit-worthiness	0 (5 over project life)	No Target this reporting period. Strong foundation established for achieving long-term Targets.
FN3 – Ensure improved access of water utilities to commercial finance	# of PDAM have secure improved access	0 (5 over project life)	No Target this reporting period. Strong foundation established for achieving long-term Targets.

# APPENDIX

## STTA AND UPCOMING ACTIVITIES

### STTA

1. STTA for Cianjur WSM Planning & Management, Dede Suryana, October 2005-January 2006
2. STTA for Subang WSM Planning & Management, Saiful Bahri, October 2005-January 2006
3. STTA for Cianjur Conservation and Rehabilitation Campaign, Putu Wirawan, October 2005-January 2006.
4. STTA for Cianjur Conservation and Rehabilitation Campaign, Nia Kurniawati, October 2005-January 2006.
5. STTA for Social/Community Forestry, Muayat Muhshi, October-December 2005
6. STTA for GIS Capacity Building & Aceh, Jen Fly, October 2005
7. STTA for Social Film Documentaries visual impact assessment, Robert Nugent, October 2005
8. STTA for Protected Areas & Biodiversity Conservation Management, Darrell Kitchener, October 2005-June 2006

### Activities:

1. Cianjur District community-level Sustainable Livelihoods Assessment, West Java, November-December 2005.
2. Cianjur District Watershed Management Forum strategic planning. West Java, November, 2005.
3. Hydrogeology survey for watershed management target areas in Subang and Cianjur, West Java. Currently out for tender with work expected to commence November-December 2005.
4. Training program (short course) best practices in mining and reclamation for small scale industrial mining activities. Subang and Cianjur, West Java. November and December 2005.
5. Facilitation of WSM management plans and action plans in Cianjur and Subang. December 2005.
6. Economic resource valuation study for Gede Pangrango National Park and Tangkuban Perahu Protected Area, starting in December 2005.
7. Private Sector Partnership gatherings in Subang and Cianjur to develop the role of private sector support for watershed management, West Java. West Java. November-December 2005.
8. Subang District community-level Sustainable Livelihoods Assessments, 10 community groups in Subang, West Java, November-December 2005.
9. Community development activities with MAPAS partners focusing on agroforestry, rehabilitation, community nurseries and solid waste management in 16 villages, Subang, West Java. October-December 2005.
10. Padang Clean & Green City Campaign, including tree planting, West Sumatra, October-December 2005
11. West Sumatra multi-stakeholder watershed management workshop, with BP-DAS as well as other government agencies and NGOs. November or December 2005.

12. Public Outreach Campaign: Clean and Flood Free Environments. All HPPs, with technical leadership provided by ESP East Java POC. November 2005.
13. Commencement of community livelihoods development plans, emerging from Sustainable Livelihoods Assessments, in North and West Sumatra, East and West Java. October-December 2005.
14. Tahura (Grand Forest Park) community conservation management assessment, with Yayasan Leuser Lestari, in North Sumatra, October 2005.
15. 'Sahabat Tahura' or 'Friends of the Grand Forest Park' high school conservation awareness program. North Sumatra, November 2005.
16. Establishment of ESP Learning Center and KERINA Secretariat in Karo, North Sumatra. Mid December 2005.
17. Market survey for organic produce, in Karo, North Sumatra, October 2005.
18. KERINA Gotong Royong (Working Together) community sanitation and tree planting activities, every two weeks. On-going.
19. KERINA Network Farmer Field Schools (4) on soil ecology and organic farming, in Semangat Gunung and Doulu Villages, Karo, North Sumatra. October-December 2005.
20. Establishment of Community Tree Banks/Nursery training programs in four sub-districts, North Sumatra. October 2005.
21. Deli WSM Forum (Jaringan Aksi Pelestarian Sungai Deli) meeting, North Sumatra. November 2005.
22. Farmer Field Schools with IPPHTI on SRI low-input, water saving rice production, through early November 2005.
23. Mitra Swasta (Private Sector Partnership) expansion to include Sumatra Trade and Danone. North Sumatra, November 2005.
24. Environmental Media Network public outreach campaign activities. Flood free environments October 2005; Point of Use drinking water December 2005.
25. National Workshop on environmental services in protected areas. Jakarta or Bogor, November 2005.

#### **Aceh WSM Activities:**

1. Krueng Aceh field assessments.
2. Forum DAS Krueng Aceh workshop to formalize working group. Aceh, week 2 or 3 of November, 2005.
3. Sustainable Livelihoods Assessment training of trainers. Aceh, late November 2005.
4. Community Coastal Land Rehabilitation Assessment. Aceh, December 2005.



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